

U.S. Department of Energy
Office of River Protection

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

0066628

05-ED-065

AUG 31 2005

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99352

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EDMC

Dear Mr. Wilson:

SUBMITTAL OF HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMIT PACKAGES NO. BOF-007, REVISION 0, AND BOF-008, REVISION 0, FOR THE BALANCE OF FACILITIES (BOF)

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Chapter 10 and Attachment 51, 'Waste Treatment and Immobilization Plant.'"

This letter transmits the Hanford Facility RCRA Permit Packages BOF-007, Revision 0, "Secondary Containment for Transfer Lines Below Grade," Attachment 1, and BOF-008, Revision 0, "Ancillary Equipment for Transfer Lines Below Grade," Attachment 2, for the BOF, for the State of Washington Department of Ecology (Ecology) review and approval. Descriptions of these permit packages are provided in Attachment 3. Bechtel National, Inc. and the U.S. Department of Energy certification statements are provided in Attachment 4.

The attached BOF permit packages provide the information necessary for Ecology to confirm that the structures, equipment, and processes described in the permit packages will comply with the Reference. This information will allow Ecology to permit the installation of the below grade transfer lines from the pretreatment facility to the liquid effluent retention facility, the effluent treatment facility, or both.

The Dangerous Waste Permit (DWP) package submittals are certified coincident with issuance of the integrity assessment report contained in the package. Permit affecting design changes not included in, or occurring after issuance of, the final integrity assessment report will be processed in accordance with DWP requirements for permit modification prior to construction or installation of affected equipment and components. Installation of equipment and components will be done in accordance with permit packages approved and incorporated into the DWP by Ecology.

Mr. Michael A. Wilson
05-ED-065

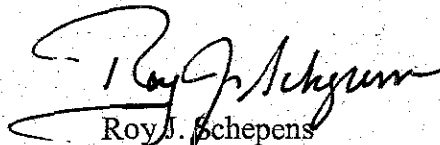
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Due to the potential sensitivity of the attached engineering information, Ecology is requested to place the data for public review in the standard information repositories, but not provide electronic dissemination of the information.

If you have any questions, please contact me, or your staff may contact Gae M. Neath, Environmental Division, (509) 376-7828.

Sincerely,


Roy J. Schepens
Manager

ED:GMN

Attachments: (4)

cc w/attachs:

B. G. Erlandson, BNI
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J. Markillie, BNI (w/o attachs)
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A. C. McKarns, RL
R. Jim, YN
Administrative Record
Environmental Portal, LMSI

Attachment 1
05-ED-065

Permit Package No. BOF-007, Rev. 0
“Secondary Containment for Transfer Lines Below Grade”

Permit Package No. BOF-007, Rev. 0
Secondary Containment for Transfer Lines Below Grade
Table of Contents

CCN 122972

For Incorporation into the Permit

Engineering Document Title	Document Number	Revision	Permit Condition	Included	Remarks
IQRPE Independent Assessment Report	24590-CM-HC4-HXYG-00138-02-00056	00A	III.10.E.9.b.i	Y	
General Arrangement Plans and Sections	Not Applicable	-	III.10.E.9.b.ii	N	Transfer lines are not depicted on the General Arrangement Plan or Sections. See Attachment 51, Appendix 2A, Figure 2A-3 for transfer line locations.
Engineering Specification for Shop Applied Fusion Bonded Epoxy Coating for Underground Carbon Steel Pipe	24590-WTP-3PS-PX04-TP001	1	III.10.E.9.b.ii III.10.E.9.b.iv	Y	
Secondary Containment Design	24590-WTP-PER-CSA-02-001	6	III.10.E.9.b.ii III.10.E.9.b.iii	N	Attachment 51, Appendix 7.5
Flooding Volume	Not Applicable	-	III.10.E.9.b.ii	N	Not applicable for transfer lines below grade
Material Selection for Building Secondary Containment/Leak Detection	Not Applicable	-	III.10.E.9.b.v		
Sump Data	Not Applicable	-	III.10.E.9.b.vii		
Piping Material Class Description	24590-WTP-PER-PL-02-001	6	III.10.E.9.b.iii	Y	
Underground Pipe Protection	24590-PTF-PER-M-02-003	1	III.10.E.9.b.iv	N	Attachment 51, Appendix 8.9
Materials for Ancillary Equipment	24590-WTP-PER-M-02-002	1	III.10.E.9.b.v	N	Attachment 51, Appendix 7.9
Low-Point Leak Detection in Secondary Containment Systems including Buried Co-Axial Transfer Lines	24590-WTP-PER-J-02-002	3	III.10.E.9.b.ii	Y	
Installation of Tank Systems and Miscellaneous Unit Systems	24590-WTP-PER-CON-02-001	5	III.10.E.9.b.vi	N	ORP letter 05-ED-036 transmitting 24590-WTP-PER-CON-02-001, Rev. 5, to Ecology
Description of Access for Conducting Integrity Assessments	24590-WTP-PER-M-02-005	1	III.10.E.9.b.ix	N	Attachment 51, Appendix 7.15

For Incorporation into the Administrative Record

Engineering Document Title	Document Number	Revision	Permit Condition	Included	Remarks
Prevention of Hydrogen Accumulation in WTP Tank Systems and Miscellaneous Treatment Unit Systems	24590-WTP-PER-PR-03-001	1	III.10.E.9.b.viii	N	ORP Letter 03-ED-130 dated 8/22/2003 transmitting LAW-029, Rev 0 to Ecology